

Overview of Hydro Data Expo

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Expo Objectives

To Explore

- What is involved in producing hydro-meteorological data
- How we are continuously working to improve data quality

Expo Consists of

Oral Presentations

Poster Presentations

Displays



Data Production Steps

Measurement
& Collection

Transmission

Processing/
Initial QA/QC

Flow
Computations

Streamgaging

Post Processing
QA/QC

Storage and
Retrieval

Measurement and Collection

Oral Presentations

- Instrumentations, Installation, Measurements and Maintenance
- NEXRAD Rainfall Data

Poster Presentations

- Loggernet Infrastructure
- MOSCAD Infrastructure
- Loggernet Data Collection Process
- SCADA Overview
- S5A Flow Proportional Sampler

Displays

- Weather Station
- MOSCAD Unit and Functionality



Measurement
& Collection



Transmission

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Data Transmission

Oral Presentations

- New Supervisory Control and Data Acquisition System
- The Telemetry Backbone – The Journey from the Field to the Front End Processor

Poster Presentations

- SFWMD Telemetry Network Infrastructure



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Data Processing and Initial QA/QC

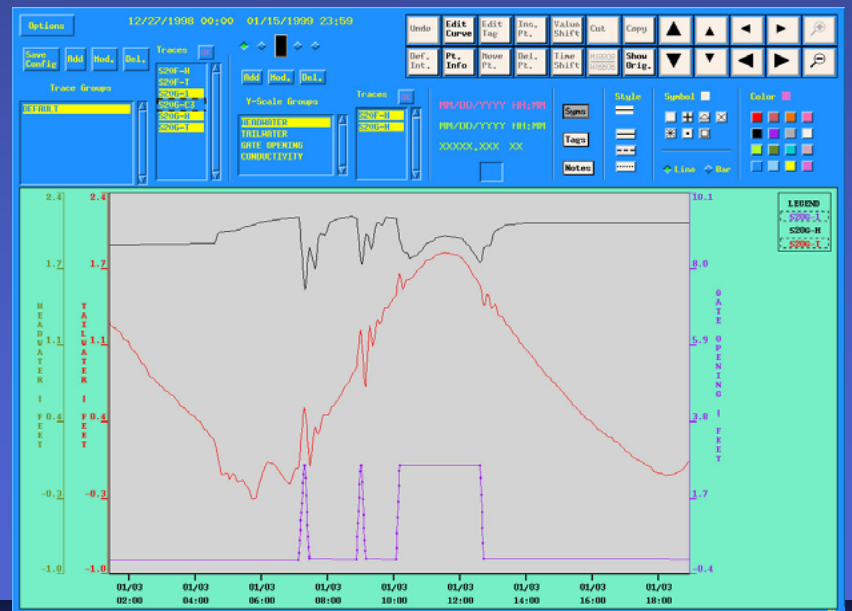
Oral Presentations

- Initial Data Processing and QA/QC Workflow



Poster Presentations

- Data Process Flow
- Hydrology and Hydraulics Productivity
- Hydrologic Data Processing Quality Improvement Team



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**Flow
Computations**

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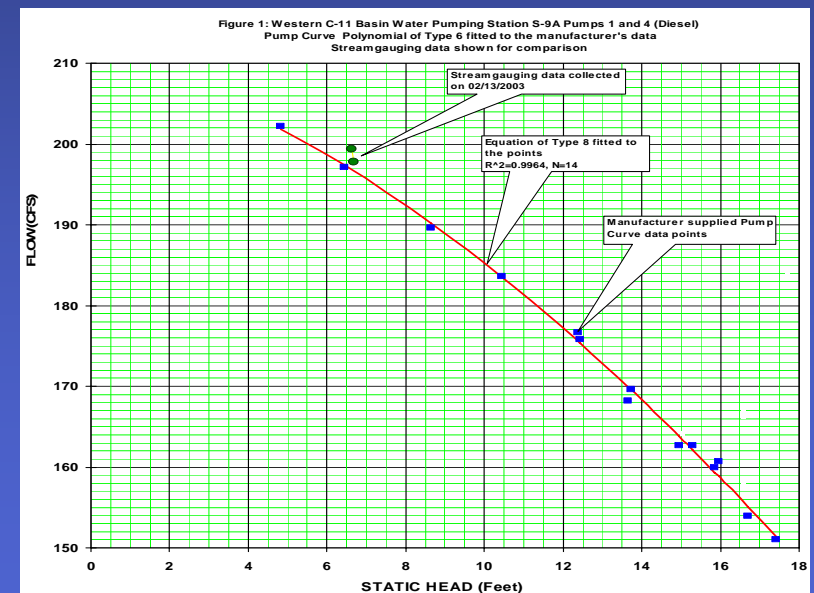
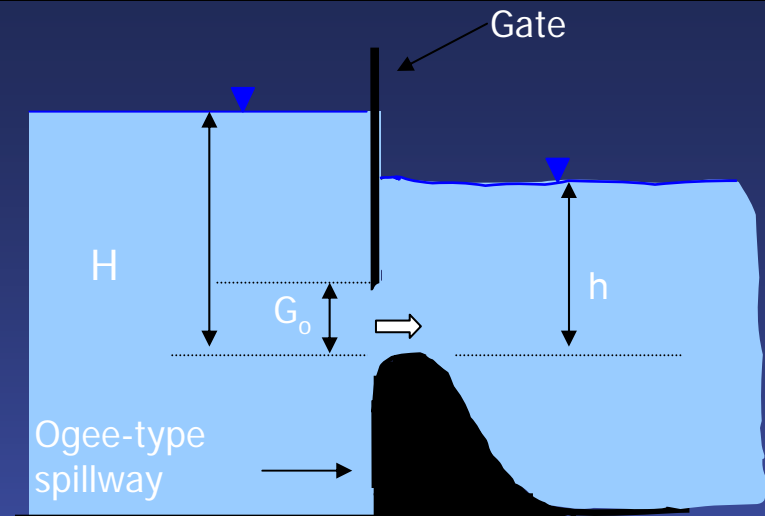
Flow Computations

Oral Presentations

- Flow Rating Development and Calibration; Flow Computations
- Flow Data Quality Improvement
- Structure Information Verification (STRIVE)

Poster Presentations

- Flow Monitoring at Pump Stations: Opportunities and Challenges
- One Flow Initiative
- Estuary Flow Measurement
- NexFlow
- Flow Measurements and Instrumentations at Culverts



Streamgaging

Oral Presentations

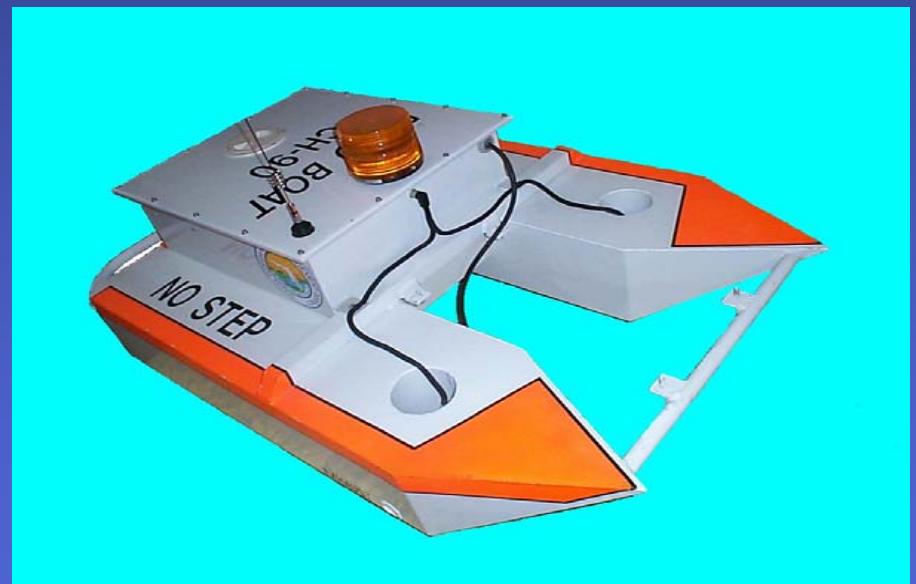
- Field Flow Measurements/
Streamgaging

Poster Presentations

- RoboBoat
- Field Flow Measurement
Equipment

Displays

- Streamgaging Instruments
- RoboBoat



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Post Processing QA/QC

Oral Presentations

- Post Processing QA/QC and Preferred Data Sets
- Data Change Procedures

Poster Presentations

- Post-Processing QA/QC of Hydro-Meteorological Data
- Data Anomaly at S18C Identified and Corrected from QA/QC
- Flow Estimation and Data Change Procedures



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Storage and
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Data Storage and Retrieval

Oral Presentations

- Data Storage and Retrieval; DBHYDRO

Displays

- DBHYDRO Access



Others

Poster Presentations

- Active Monitoring Sites for Flow
- Active Monitoring Sites for Stage
- Active Monitoring Sites for Rain
- Active Monitoring Sites for Groundwater
- Active Monitoring Sites for Weather Stations



Questions?